

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

- 1                   1. (currently amended) A system for transmitting an optical signal to a plurality of receivers comprising:
  - 3                   an optical transmitter for transmitting the optical signal, wherein the optical signal
  - 4                   includes a plurality of sections corresponding to is allocated in a number of time slots, each
  - 5                   section corresponding to a receiver in the plurality of receivers;
  - 6                   a time-dividing device for time-dividing the optical signal received from the
  - 7                   optical transmitter,
  - 8                   wherein the optical signal is time-divided for a different receivers receiver by
  - 9                   bending the signal at different angles with the time-dividing device at the different time slot slots
  - 10                  corresponding to the different receivers, wherein each receiver so the receiver can receive
  - 11                  receives the section corresponding to the receiver bent optical signal, wherein the section of the
  - 12                  bent optical signal includes information just for the receiver.
- 1                   2. (original) The system of claim 1, further comprising an end device,  
2                  wherein the bent optical signal is transmitted to the end device from the receiver.
- 1                   3. (original) The system of claim 1, wherein the optical transmitter  
2                  comprises a laser.
- 1                   4. (original) The system of claim 1, wherein the optical transmitter  
2                  comprises a microwave source.
- 1                   5. (original) The system of claim 1, wherein the optical transmitter  
2                  comprises a radio frequency source.

1               6. (original) The system of claim 1, wherein the time-dividing device  
2 comprises a catadioptric device.

1               7. (original) The system of claim 1, wherein the time-dividing device  
2 comprises a rotating mirror.

1               8. (original) The system of claim 1, wherein the time-dividing device  
2 comprises an optical switching device.

1               9. (currently amended) A system for time-dividing an optical signal for a  
2 plurality of receivers comprising:

3               an optical transmitter for transmitting the optical signal, wherein the optical signal  
4 includes a plurality of sections corresponding to is allocated in a number of time slots, each  
5 section corresponding to a receiver in the plurality of receivers;

6               a catadioptric device for time-dividing the optical signal received from the optical  
7 transmitter,

8               wherein the optical signal is time divided for a different receiver by  
9 bending the signal at an different angle with the catadioptric device at the different time  
10 slot corresponding to the different receivers, wherein each receiver ~~so the receiver can~~  
11 ~~receive~~ receivers the section corresponding to the receiver bent optical signal, wherein the  
12 section of the bent optical signal includes information just for the receiver.

1               10. (original) The system of claim 9, further comprising an end device,  
2 wherein the bent optical signal is transmitted to the end device from the receiver.

1               11. (original) The system of claim 9, wherein the catadioptric device is a  
2 reflective device.

1               12. (original) The system of claim 9, wherein the catadioptric device is a  
2 refractive device.

1                   13. (original) The system of claim 9, wherein the optical transmitter  
2 comprises a laser.

1                   14. (original) The system of claim 9, wherein the optical transmitter  
2 comprises a microwave source.

1                   15. (original) The system of claim 9, wherein the optical transmitter  
2 comprises a radio frequency source.

1                   16. (currently amended) A method for time dividing an optical signal for a  
2 plurality of receivers, the optical signal including a plurality of ~~time slots~~sections corresponding  
3 to the plurality of receivers, the method comprising:

4                   transmitting the optical signal;

5                   bending the optical signal at a plurality of angles at ~~the~~a plurality of time slots,  
6 wherein sections of the optical signal correspond to different receivers, wherein the optical signal  
7 is bent at ~~an~~different angles at different time slots ~~angle~~ so a ~~receiver~~receivers corresponding to  
8 the section the time slot can receive the section signal, wherein the section of the bent optical  
9 signal includes information just for the receiver.

10                  17. (original) The method of claim 16, further comprising transmitting the  
11 bent optical signal to an end receiver.

1                   18. (original) The method of claim 16, wherein bending the optical signal  
2 comprises reflecting the optical signal.

1                   19. (original) The method of claim 16, wherein bending the optical signal  
2 comprises refracting the optical signal.

1                   20. (currently amended) A method for time-dividing an optical signal for a  
2 plurality of receivers, the optical signal including a plurality of ~~time slots~~sections corresponding  
3 to the plurality of receivers, the method comprising:

transmitting the optical signal;

time-dividing the optical signal at ~~the~~a plurality of time slots, wherein sections of the optical signal correspond to different receivers, wherein the optical signal is bent at different angles at different time slots so a receiver ~~receivers~~ corresponding to the section time slot can receive the signal ~~section~~, wherein the bent optical signal includes information just for the receiver.

21. (original) The method of claim 20, further comprising transmitting the

bent optical signal to an end receiver.

22. (original) The method of claim 20, wherein bending the optical signal

comprises reflecting the optical signal.

23. (original) The method of claim 20, wherein bending the optical signal

comprises refracting the optical signal.

24. (new) The system of claim 1, wherein the section of the bent optical

signal received includes substantially all of the optical signal transmitted from the optical transmitter.

25. (new) The system of claim 9, wherein the section of the bent optical

signal received includes substantially all of the full optical signal transmitted from the optical transmitter.

26. (new) The method of claim 16, wherein the section of the bent optical

signal received includes substantially all of the full optical signal transmitted.

27. (new) The method of claim 20, wherein the section of the bent optical

signal received includes substantially all of the full optical signal transmitted.